CLAIMS:

We claim:

1. A user customizable report generator comprising a configuration for attachment to at least one database through at least one reporting tool, the generator comprising:

at least one set of pre-established screens for defining at least one value for a corresponding database parameter specified within a report template;

a communicative coupling to at least one business rule;

business rule enforcement logic disposed within each of said pre-established screens, said logic comprising programming for processing session state information to assist in enforcing said at least one business rule; and,

a report generation component coupled to said set of pre-established screens and programmed to generate a report definition based upon parameters in a report template and a selection of said pre-established screens for each of said parameters.

- 2. The report generator of claim 1, wherein each of said screens comprises markup language configured for rendering in a content browser and encapsulating script logic for execution in said content browser.
- 3. The report generator of claim 1, wherein each of said screens comprises a Java server page (JSP).

- 4. The report generator of claim 1, wherein said at least one business rule comprises an access control rule conditioned upon session state information accessible within each of said pre-established screens.
- 5. The report generator of claim 4, wherein said session state information comprises information selected from the group consisting of an identity of an end user, a time of day, a date, and a network address for said end user.
- 6. The report generator of claim 1, wherein said report definition comprises a specified ordering of said selection of said pre-established screens for each of said parameters.
- 7. The report generator of claim 1, wherein said report generation component further comprises logic for producing a report based upon said report definition.
- 8. A method for generating a user customized report comprising the steps of: retrieving a specified template for producing a desired report; determining from said specified template a set of parameters required to produce said desired report;

for each parameter in said set, selecting a screen for providing a user interface through which a value can be established for said parameter, and embedding business rule enforcement logic in said selected screen; and,

saving each of said selected screens in a report definition configured to produce a report while executing said embedded business rule enforcement logic.

- 9. The method of claim 8, further comprising the step of storing an order of presentation for said selected screens in said report definition.
- 10. The method of claim 9, further comprising the steps of: retrieving said report definition;

rendering each of said selected screens in said stored order;

collecting parameter values for said parameters in said set through said rendered screens while limiting said parameter values according to said embedded business rule enforcement logic; and,

generating said report based upon said collected parameter values.

11. The method of claim 10, wherein said collecting step comprises the steps of:
identifying session state data through said rendered screens;

processing said session state data to limit data input through form fields in said screens; and,

accepting data input through said form fields to establish said parameters.

12. The method of claim 11, wherein said processing step comprises the steps of: identifying an end user through said session state data;

limiting a range of data which can be accessed in said report based upon an identity of said end user as processed through said embedded business rule enforcement logic; and,

reflecting said limited range of data through data input restrictions applied to said form fields in said screens.

- 13. The method of claim 10, further comprising the step of saving said report for subsequent reuse.
- 14. The method of claim 13, further comprising the steps of: loading said saved report; determining session state data for an end user loading said saved report; applying at least one business rule comparable to a business rule reflected in said embedded business rule enforcement logic to said session state data; and,

modifying said saved report to enforce said at least one comparable business rule.

15. A machine readable storage having stored thereon a computer program for generating a user customized report, the computer program comprising a routine set of instructions which when executed by the machine cause the machine to perform the steps of:

retrieving a specified template for producing a desired report;

determining from said specified template a set of parameters required to produce said desired report;

for each parameter in said set, selecting a screen for providing a user interface through which a value can be established for said parameter, and embedding business rule enforcement logic in said selected screen; and,

saving each of said selected screens in a report definition configured to produce a report while executing said embedded business rule enforcement logic.

- 16. The machine readable storage of claim 15, further comprising the step of storing an order of presentation for said selected screens in said report definition.
- 17. The machine readable storage of claim 16, further comprising the steps of: retrieving said report definition;

rendering each of said selected screens in said stored order;

collecting parameter values for said parameters in said set through said rendered screens while limiting said parameter values according to said embedded business rule enforcement logic; and,

generating said report based upon said collected parameter values.

18. The machine readable storage of claim 17, wherein said collecting step comprises the steps of:

identifying session state data through said rendered screens;

processing said session state data to limit data input through form fields in said screens; and,

accepting data input through said form fields to establish said parameters.

19. The machine readable storage of claim 18, wherein said processing step comprises the steps of:

identifying an end user through said session state data;

limiting a range of data which can be accessed in said report based upon an identity of said end user as processed through said embedded business rule enforcement logic; and,

reflecting said limited range of data through data input restrictions applied to said form fields in said screens.

- 20. The machine readable storage of claim 17, further comprising the step of saving said report for subsequent reuse.
- 21. The machine readable storage of claim 20, further comprising the steps of: loading said saved report;

determining session state data for an end user loading said saved report;

applying at least one business rule comparable to a business rule reflected in

said embedded business rule enforcement logic to said session state data; and,

modifying said saved report to enforce said at least one comparable business rule.